

File No. \_\_\_\_\_

T. 32 R. 22

DUPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

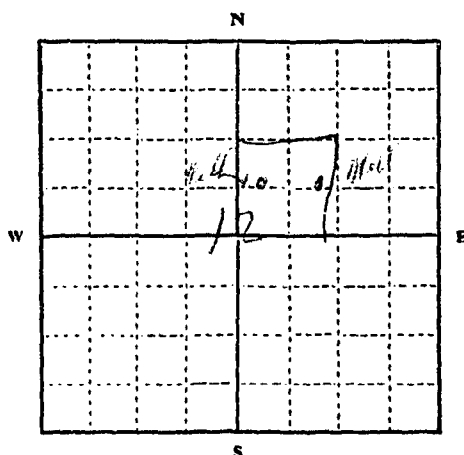
RECEIVED  
DEC 17 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Guy Murphy, of Helena  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 12, T. 32, R. 22

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Home  
Stock

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been since 1952 continuously

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 1000 + gallons

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof

None

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal 130 ft well  
by electric pressure system  
South of Helena S. 12, T. 32, R. 22

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater not known

8. The depth of water table each well 130 feet deep

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater each well 130 feet deep with 6 inch pipe casing

10. The estimated amount of groundwater withdrawn each year 136,000 gallons

11. The log of formations encountered in the drilling of each well if available

not known

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record

not known

Signature of Owner Guy Murphy

Date 12-3-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator. Helena

9545

251678

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 16 DAY  
OF Dec A. D. 1903  
AT 1:45 O'CLOCK P. M.  
Cora R. Mangrove  
COUNTY CLERK  
Ethel Shurt  
DEPUTY  
FEE 75

File No. \_\_\_\_\_

T 32 R 22 13

DUPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

APR 30 1964

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner George Green Address Harlem, MontanaDriller Simpson Drilling Co. Address Malta, Montana

Date of Notice of appropriation of ground water \_\_\_\_\_

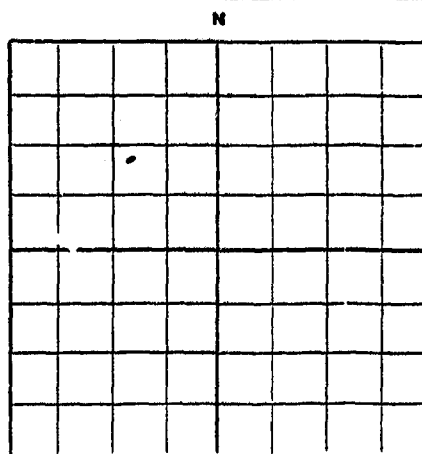
Date well started 3/29/64 Date Completed 4/1/64

Type of well drilled Equipment used cable tools  
(dug, driven, bored or Churn, drill, rotary or  
drilled) other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6-5/8 151bs	2'AG	99'	XX	XX	XXX



SE 1/4 NW 1/4 Sec 15 T 22 R 22  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well  
2' feet.

Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 10' feet

at 15 gal. per minute.

Discharge in gal. per min. of flowing well \_\_\_\_\_

How Tested bailer

Length of Test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) \_\_\_\_\_

15

Driller's License Number

Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for Appropriator.

35608

253273

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 17 DAY

OF April A. D. 1964

AT 10:45 O'CLOCK A. M.

Cara K. Magnus

Cathy Shick

PKR 2.00

COUNTY CLERK

DEPUTY

STATE OF MONTANA  
MONTANA BUREAU OF MINES AND GEOLOGY

T. 32 R. 22  
County DLAINE

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

		*

Owner William V. Parnell Address Harlan, Mont  
Driller R. C. SIMPSON Address MALTA  
Date Started 10/29/57 Date Completed 11/6/57  
Location: Sec. 16 T. 32 R. 22 1/4 sec SW 1/4 of SW 1/4 SEC 16

Type of well drilled (Dug, driven, bored, or drilled) Equipment used CHURN DRILL (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other:

Casing: -1 ft. to 232 ft. Type SCREW PIPE Size 4" I.D. 1/4" WALL

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 202 to ft. 232 Ft. to ft.

Type of screen or perforations 3/16 DRILLED HOLES 16 TO FOOT

Static Water level, for non-flowing well: 18' feet.

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level: 60 feet at 15" gal. per min.

How tested: BAILEY TESTED

Length of test: 30 MIN

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

3 RUBBER PACKERS AT 200 FT.

(over)

## Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	1	OVERBURDEN
1	39	SANDY CLAY
39	42	LOOSE GRAVEL & BOULDERS
42	56	YELLOW CLAY, SAND & SHALE STREAKS
56	60	SAND - WATER IN IT ABOUT 25% PM
		WATER SALT, ALKALI & SOAA
60	110	YELLOW - BROWN SHALE
110	130	GRAY SHALE
130	140	DARK BROWN SHALE
143	187	LIGHT GRAY SHALE
187	190	SALT & PEPPER SANDSTONE
198	279	SALT & PEPPER SANDSTONE
279	232	LIGHT BLUE SHALE

File No.

ORIGINAL  
Dupl.

Approved State Engineer—State Publishing Co., Helena, Montana—42234

T. 31 N. 3. R. 2 E.

County Blaine

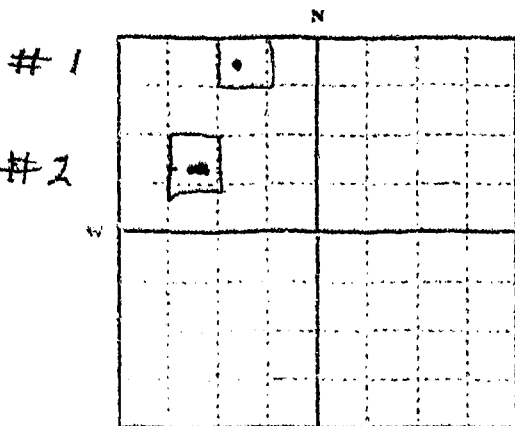
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE

JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. GEORGE W. PHARES of BLAINE, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



#1 - NW 1/4 18-31-22  
#2 - NE 1/4 18-31-22

1/4 Sec. T. R.

2. The beneficial use on which the claim is based (1) DRINKING  
STOCK WATER, IRRIGATION (2) SAME
3. Date or approximate date of earliest beneficial use; and how continuous (1) 1945 APPROX. YEAR ROUND  
(2) 1923 APPROX. YEAR ROUND

4. The amount of groundwater claimed (in miner's inches or gallons per minute) (1) 50 GALS. MINUTE APPROX.  
(2) 50 GALS. MINUTE APPROX.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
GARDENS JOINING WELL PLOTS. GEORGE W. PHARES

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
ELECTRIC PUMPS. LOCATION AS DESCRIBED.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater (1) COMPLETION 1945 (2) 1923 COMPLETED

8. The depth of water table (1) 80 FEET (2) 30 FEET

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater (1) DRILLED WELL 80 FEET 6 INCH CASING  
(2) DUG WELL 30 FEET 4 FEET SQUARE WOOD CURBING

10. The estimated amount of groundwater withdrawn each year (1) 500,000 GALS. (2) 300,000 GALS.

11. The log of formations encountered in the drilling of each well if available (1) NOT AVAILABLE  
(2) NOT AVAILABLE

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date DEC. 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21948

File No. \_\_\_\_\_

ORIGINAL  
Dupl.

RECEIVED  
MAY 19 1964

T 3134

County

JAN 6 1964

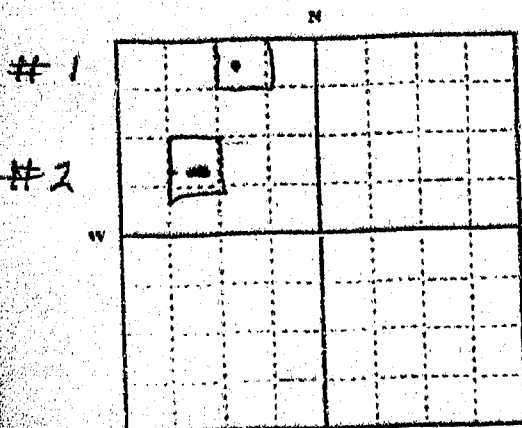
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James W. Phares, of Blaine County, Montana State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



# 1 - NW NE 18-31-22  
# 2 - NE SW 18-31-22

1/4 Sec. T. R.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based (1) DRINKING  
STOCK WATER, IRRIGATION (2) SAME

3. Date or approximate date of earliest beneficial use; and how continuous  
(1) 1923 APPROX. YEAR ROUND  
(2) 1923 APPROX. YEAR ROUND

4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
(1) DEALS MINUTE APPROX.  
(2) DEALS MINUTE APPROX.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
GARDENS JOINING WELL PLOTS. GEORGE E. PHARES

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
ELECTRIC PUMPS. LOCATION AS DESCRIBED

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
(1) COMPLETION 1946 (2) 1923 COMPLETED

8. The depth of water table (1) 80 FEET (2) 30 FEET

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
(1) DRILLED WELL 80 FEET 6 INCH CASING  
(2) DUG WELL 30 FEET 4 FEET SQUARE WOOD CURBING

10. The estimated amount of groundwater withdrawn each year (1) 300,000 GALS. (2) 300,000 GALS.

11. The log of formations encountered in the drilling of each well if available (1) NOT AVAILABLE  
(2) NOT AVAILABLE

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date DEC. 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located

Please answer all questions. If not applicable, so state, otherwise the form will be returned

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.



252109

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 31 DAY  
OF December A. D. 1963  
AT 2:20 O'CLOCK P. M.  
Lara L. Magnus  
COUNTY CLERK

200 DEPUTY  
FEE

File No.

T. 32 R. 22

DUPLICATE

County Blaine

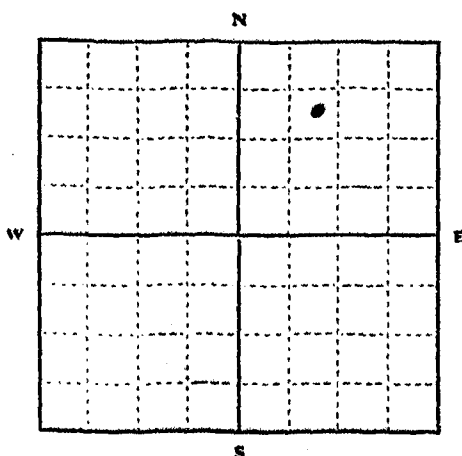
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 17 1963

Declaration of Vested Groundwater Rights  
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. EARL REYNOLDS, of 300 Ninth Avenue South, Great Falls,  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE 1/4 Sec. 22, T32N R. 22E  
Blaine County, Montana  
Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based not an artisan well, watering 100 to 200 head of cattle
3. Date or approximate date of earliest beneficial use; and how continuous the use has been do not know approximate date but I bought the land in 1956, and it has been in use ever since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) have never measured it, but it flows continuously, and is partially capped.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pressure pump, NW 1/4 NE 1/4 Sec. 22, Township 32 N, Range 22E, Blaine County, Montana, designated Lot No. 5.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Have been reliably informed the well was drilled many years ago.
8. The depth of water table Do not know, the well was drilled, and it is lined with steel casings.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater unable to give further information in answer to this question, other than that given above.
10. The estimated amount of groundwater withdrawn each year unable to answer this question but water has been continuously used to water 100 to 200 head of cattle
11. The log of formations encountered in the drilling of each well if available unable to give this information, as the well was drilled many years ago, before I purchased the land.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record I have endeavored to obtain more information about these wells, but to date have been unsuccessful. If the foregoing declaration is not sufficient without further information, please advise me what is wanted, and I will endeavor to obtain the same.

Signature of Owner

EARL REYNOLDS

Date December 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

9543

251657

251657  
STATE OF MONTANA  
Clerk of the Court  
FILED FOR RECORD THIS 16 DAY  
OF December A. D. 1963  
AT 8 20 O'CLOCK P. M.  
Cora L. Maguire  
COUNTY CLERK  
Ester Shute  
DEPUTY  
P.W. 22

(NOTARIAL SEAL)

DECEMBER, A. D.

63

Great Falls, Montana

April 1

66

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner James L. Smith  
Address 1001 1st St. Helena, MT  
Date well started Sept 5, 1972 completed 10/16/72

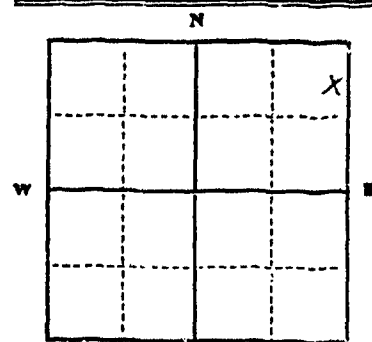
For Administrator's Use  
File 269845  
Sept 5, 1972 - 10/16/72  
GW 1

Type of well Hand (Dig, driven, bored or drilled)  
Equipment used Hand (Churn drill, rotary or other)  
Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe \_\_\_\_\_  
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" N.P.	1 1/2" x 10' x 10'	10'	14'			



N.E. 1/4 N.E. 1/4 Sec. 22  
T. 32 N. R. 22 E

Static water level 1.2 ft.\*  
Pumping water level 1.4 ft.\*  
at 100 gallons per minute,  
measured 10 minutes after pumping began.  
\*Measured from ground level.  
Well developed by 10 hours.  
Power 10 HP Pump 10 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature James L. Smith  
Driller's Address 1001 1st St. Helena, MT

LICENSE NO. 31

County Blaine

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	4	Soil
4	10	Clay
10	14	Gravel
14	18	Sand
18	22	Gravel
22	26	Sand
26	30	Gravel
30	34	Sand
34	38	Gravel
38	42	Sand
42	46	Gravel
46	50	Sand
50	54	Gravel
54	58	Sand
58	62	Gravel
62	66	Sand
66	70	Gravel
70	74	Sand
74	78	Gravel
78	82	Sand
82	86	Gravel
86	90	Sand
90	94	Gravel
94	98	Sand
98	102	Gravel
102	106	Sand
106	110	Gravel
110	114	Sand
114	118	Gravel
118	122	Sand
122	126	Gravel
126	130	Sand
130	134	Gravel
134	138	Sand
138	142	Gravel
142	146	Sand
146	150	Gravel
150	154	Sand
154	158	Gravel
158	162	Sand
162	166	Gravel
166	170	Sand
170	174	Gravel
174	178	Sand
178	182	Gravel
182	186	Sand
186	190	Gravel
190	194	Sand
194	198	Gravel
198	202	Sand
202	206	Gravel
206	210	Sand
210	214	Gravel
214	218	Sand
218	222	Gravel
222	226	Sand
226	230	Gravel
230	234	Sand
234	238	Gravel
238	242	Sand
242	246	Gravel
246	250	Sand
250	254	Gravel
254	258	Sand
258	262	Gravel
262	266	Sand
266	270	Gravel
270	274	Sand
274	278	Gravel
278	282	Sand
282	286	Gravel
286	290	Sand
290	294	Gravel
294	298	Sand
298	302	Gravel
302	306	Sand
306	310	Gravel
310	314	Sand
314	318	Gravel
318	322	Sand
322	326	Gravel
326	330	Sand
330	334	Gravel
334	338	Sand
338	342	Gravel
342	346	Sand
346	350	Gravel
350	354	Sand
354	358	Gravel
358	362	Sand
362	366	Gravel
366	370	Sand
370	374	Gravel
374	378	Sand
378	382	Gravel
382	386	Sand
386	390	Gravel
390	394	Sand
394	398	Gravel
398	402	Sand
402	406	Gravel
406	410	Sand
410	414	Gravel
414	418	Sand
418	422	Gravel
422	426	Sand
426	430	Gravel
430	434	Sand
434	438	Gravel
438	442	Sand
442	446	Gravel
446	450	Sand
450	454	Gravel
454	458	Sand
458	462	Gravel
462	466	Sand
466	470	Gravel
470	474	Sand
474	478	Gravel
478	482	Sand
482	486	Gravel
486	490	Sand
490	494	Gravel
494	498	Sand
498	502	Gravel
502	506	Sand
506	510	Gravel
510	514	Sand
514	518	Gravel
518	522	Sand
522	526	Gravel
526	530	Sand
530	534	Gravel
534	538	Sand
538	542	Gravel
542	546	Sand
546	550	Gravel
550	554	Sand
554	558	Gravel
558	562	Sand
562	566	Gravel
566	570	Sand
570	574	Gravel
574	578	Sand
578	582	Gravel
582	586	Sand
586	590	Gravel
590	594	Sand
594	598	Gravel
598	602	Sand
602	606	Gravel
606	610	Sand
610	614	Gravel
614	618	Sand
618	622	Gravel
622	626	Sand
626	630	Gravel
630	634	Sand
634	638	Gravel
638	642	Sand
642	646	Gravel
646	650	Sand
650	654	Gravel
654	658	Sand
658	662	Gravel
662	666	Sand
666	670	Gravel
670	674	Sand
674	678	Gravel
678	682	Sand
682	686	Gravel
686	690	Sand
690	694	Gravel
694	698	Sand
698	702	Gravel
702	706	Sand
706	710	Gravel
710	714	Sand
714	718	Gravel
718	722	Sand
722	726	Gravel
726	730	Sand
730	734	Gravel
734	738	Sand
738	742	Gravel
742	746	Sand
746	750	Gravel
750	754	Sand
754	758	Gravel
758	762	Sand
762	766	Gravel
766	770	Sand
770	774	Gravel
774	778	Sand
778	782	Gravel
782	786	Sand
786	790	Gravel
790	794	Sand
794	798	Gravel
798	802	Sand
802	806	Gravel
806	810	Sand
810	814	Gravel
814	818	Sand
818	822	Gravel
822	826	Sand
826	830	Gravel
830	834	Sand
834	838	Gravel
838	842	Sand
842	846	Gravel
846	850	Sand
850	854	Gravel
854	858	Sand
858	862	Gravel
862	866	Sand
866	870	Gravel
870	874	Sand
874	878	Gravel
878	882	Sand
882	886	Gravel
886	890	Sand
890	894	Gravel
894	898	Sand
898	902	Gravel
902	906	Sand
906	910	Gravel
910	914	Sand
914	918	Gravel
918	922	Sand
922	926	Gravel
926	930	Sand
930	934	Gravel
934	938	Sand
938	942	Gravel
942	946	Sand
946	950	Gravel
950	954	Sand
954	958	Gravel
958	962	Sand
962	966	Gravel
966	970	Sand
970	974	Gravel
974	978	Sand
978	982	Gravel
982	986	Sand
986	990	Gravel
990	994	Sand
994	998	Gravel
998	1002	Sand

113 Show exact depth of bottom

51,311

RECEIVED

County Beane 22

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Beane Lumber

Address Beane, Mont.

Date well started 6/24/72

completed 6/30/72

Type of well drill

Equipment used Churn drill

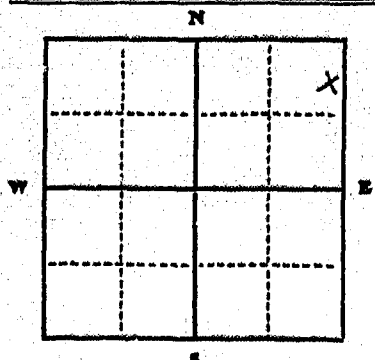
Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" 6' 12"		0	163			



N.E. 1/4 Sec. 22  
T. 22 N R. 22 E

Static water level 1.2 ft.\*  
Pumping water level 1.60 ft.\*  
at 20 gallons per minute,  
measured 12.2 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by churn  
for 2 hours.  
Power 1.5 HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.  
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Leslie W. Winkler

Driller's Address Chenoweth

LICENSE NO. 31

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	4	Soil
4	7.4	Gravel
7.4	8.4	Gravel
8.4	9.4	Gravel
9.4	12.4	Gravel
12.4	14.4	Gravel
14.4	16.4	Gravel
16.4	16.3	Gravel
16.3		Bottom

163 Show exact depth of bottom

51,311

# 269845

STATE OF MONTANA

County of Blaine

Filed for record this 5 Day

of September 10, 1972

At 10:46 A.M.

County Clerk  
*Richard J. Richards*  
Deputy

Fee 2.00

T. 32 N. R. 22 E.

County San Diego

RECEIVED

# Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

Owner James H. Smith Address 1234 Main St.

**Driller** \_\_\_\_\_ **Address** \_\_\_\_\_

Date of Notice of appropriation of groundwater 2-1-77

Date well started 6-1-72 Date completed 8-10-72

Type of well drill Equipment used Churn drill  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

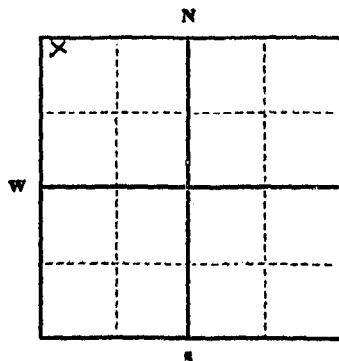
Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

Doc. No. 268628

Filed for record  
this 22nd day of February  
A. D. 19 22 at 10:22  
o'clock A. M.

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8	6 7/8 x 19	0	16 3	none		



Static Water Level for non-flowing well  
2 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level.....feet  
at.....gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Visual.....

Length of Test.....

Remarks: (Gravel packing, cementing, pack-  
ers, type of shutoff).....

NW/4NW/4 Sec. 23 T. 32 R. 22  
Indicate location of well and  
place of use, if possible. Each  
small square represents 40  
acres.

..(Continue on reverse side)

**USE**—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

**Show exact depth of bottom.**

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

**Driller's License Number**

**Driller's Signature**

49,905

#268628

STATE OF MONTANA }  
County of Blaine }

Filed for record this 22 Day  
of February A. D. 19 22  
At 10:27 A. M.

County Clerk  
Quinn J. Schmeck  
Deputy  
Ecc \_\_\_\_\_



File No.

T. 22 R. 22

DUPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

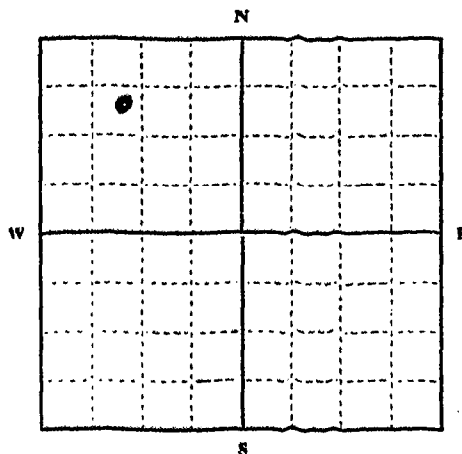
RECEIVED  
DEC 17 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. EARL REYNOLDS, of 300 Ninth Avenue South, Great Falls,  
(Name of Appropriator) (Address) (Town) MT  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 23 T. 22N. R. 22E  
Blaine County, Montana  
Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based is an artisan  
well, watering 150 to 200 dairy cows, and supplying  
2 dairy barns with water.

3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been. Do not know, approximate date,  
of the earliest beneficial use of this well, but  
I bought the land in 1956, and it has been in  
use ever since.

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) Have never measured it, but it flows  
continuously, and is partially capped.

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
This well not used for irrigation

6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal electric  
pressure pump, NW 1/4 of Section 23, Township  
32 North, Range 22E, Blaine County, Montana.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater Have been reliably informed the well was drilled  
many years ago.

8. The depth of water table Do not know. The well was drilled, and it is lined with  
steel casings.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater Unable to give further information, in  
answer to this question, other than that given above.

10. The estimated amount of groundwater withdrawn each year Unable to answer this question,  
but water has been continuously used to water 150 to 200 head of cattle.

11. The log of formations encountered in the drilling of each well if available Unable to give this information, as the well was drilled many years  
ago, before I purchased the land

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record I have endeavored to obtain more in-  
formation about these wells, but to date have been unsuccessful. If the  
foregoing declaration is not sufficient, without further information, please  
advise, and I will endeavor to obtain the same.

Signature of Owner

EARL REYNOLDS

December 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

9544

251658  
251658

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 16 DAY  
OF December A. D. 1963  
AT 8:21 O'CLOCK P. M.  
Cora L. Musgrave  
COUNTY CLERK  
C. Arthur Shurt  
DEPUTY  
VER 23

(NOTARIAL SEAL)

DECEMBER, A. D. 63  
Great Falls, Montana  
April 1 65

RECEIVED  
MAY 6 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 32 R. 22 25  
County Blaine

WATER WELL LOG

	X	K

Owner Charles Brower Address Harlem, Montana  
Driller R. C. Simpson Address Malta, Montana  
Date Started April 24, 1958 Date Completed April 28, 1958  
Location: Sec. 25 T. 32 R. 22 1/4 sec. 12 1/2

Type of well driller Equipment used Rotary  
(Dug, driven, bored, or drilled) (Cable drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 0 ft. to 228 ft. Type screw joint Size 6 inch O.D.

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 175 to ft. 228 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations drilled 3/16 holes

Static Water level, for non-flowing well: flows small amount feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 75 feet at 10 gal. per min.

How tested: baller

Length of test: one hour

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
used packers above perforations

(over)

## Log of Well

[illegible]

File No. \_\_\_\_\_

T 32 R 22

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

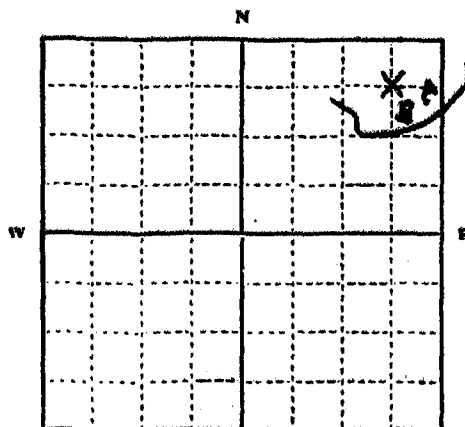
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1964  
ENGINEER

1. Ashton Bros., of Harlem  
(Name of Appropriator) (Address) (Town)

County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 1 (NENE)

1/4 Sec 26 T 32 R 22

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based A. Household  
And livestock B. Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been A. 1938, daily  
B. 1950, daily

4. The amount of groundwater claimed (in miner's inches or gallons per minute) A. 10 G.P.M.  
B. 10 G.P.M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
A. deepwell Jet Pump  
B. deepwell Jet Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
A. 1938  
B. 1950

8. The depth of water table A. 8 Feet B. 10 Feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
A. drilled, 8 inch 140 ft. deep  
B. drilled, 8 inch 50 ft. deep

10. The estimated amount of groundwater withdrawn each year A. 2,500,000 Gal.  
B. 2,500,000 Gal.

11. The log of formations encountered in the drilling of each well if available  
A. Not available  
B. Not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
A. None known  
B. None known

Signature of Owner

Ashton Bros.  
Ray Paul Ashton  
Date Dec 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21896

252053

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 30 DAY  
OF December A. D. 1963  
AT 4:10 O'CLOCK P. M.  
Cara L. Musgrave  
COUNTY CLERK

DEPUTY

FEE 2.00

## GROUNDWATER INDEX

Page 1 of 1

County BLAINE Twp. 32 NORTH Rge. 23 EAST

[illegible]

GW3

File No.....

DUPLICATE

33/23

T. 32 R. 23

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 26 1963

STATE ENGINEER

**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1945

J. George Pitch

Owner Alex Pitch Address Harlem Mont.

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural Spring Curbed With

18 in. Pipe and drained With 4 in. Pipe to

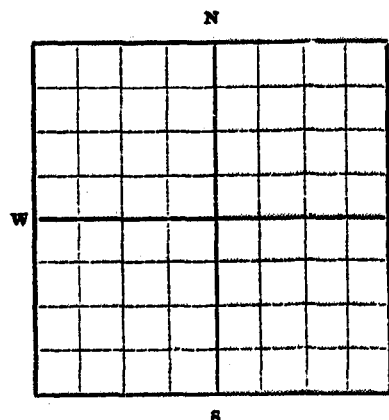
Tank in sec 10 Natural Spring in Sec. 4 33/23

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use .....

Used 8 months of year for stock water

Signature of Owner J. George Pitch

Date Dec 16--63



..... 1/4 Sec. T. R.

Indicate point of appropriation and place of use, if possible.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.



251822

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 19 DAY  
OF December A. D. 1963  
AT 1:47 O'CLOCK P. M.  
Cora L. Musgrave  
COUNTY CLERK

PER 200

DEPUTY

File No. ....

T. 32 R. 23

DUPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

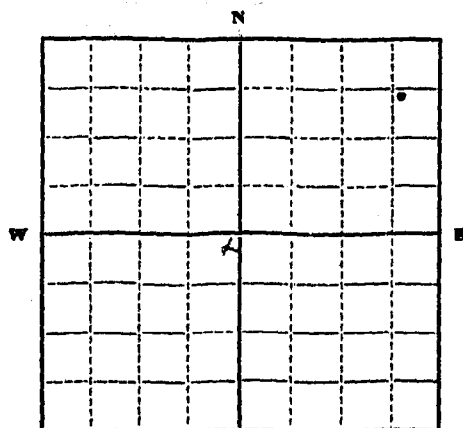
RECEIVED  
NOV 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Gene Conell, of Harlem  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 7 T 32 R 23

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based stock water & household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 every year since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1.0 gallon per minute in each well
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal jet pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater unknown
8. The depth of water table
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
  - 1 @ 200' depth, 5" casing, deep well jet
  - 1 @ 150' depth, 4" casing, stock water pump
  - 1 @ 70' depth 6" casing, shallow well jet
10. The estimated amount of groundwater withdrawn each year 1,000,000 gals
11. The log of formations encountered in the drilling of each well if available.
  - 200' well mostly shale
  - 150' well gravel
  - 70' well gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Gene Conell

Date Nov. 15, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

1562

25-1231  
251232

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 21 DAY  
OF Nov A. D. 1963  
AT 1:10 O'CLOCK P. M.

*Car L. [Signature]*  
COUNTY CLERK  
*Esther [Signature]*  
DEPUTY

FEE 2.00

G

Approved Stock Form—State Publishing Co., Helena, Montana—47234

File No. ....

T. 32 R. 23

DUPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

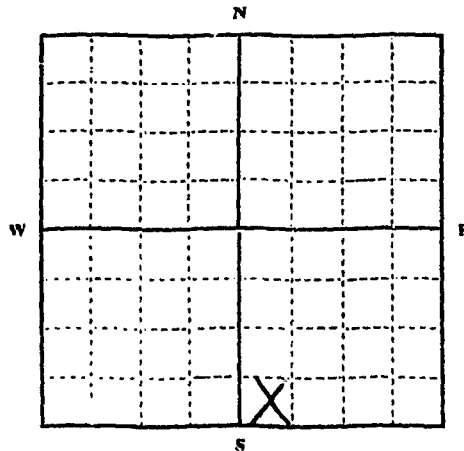
JAN 6 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ERWIN E MARTIN, of R.R. 1 HARLEM  
(Name of Appropriator) (Address) (Town)

County of BLAINE State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



W 5 1/4 SE Sec. 16 T. 32 R. 23

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based House use and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been about 1938
4. The amount of groundwater claimed (in miner's inches or gallons per minute) .....
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Garden - Lawn
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
5.50 g.p.m. per hr  
Pressure System
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater .....
8. The depth of water table 8 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
vin. steel casing - 75 ft deep
10. The estimated amount of groundwater withdrawn each year Household use + 100 head cattle
11. The log of formations encountered in the drilling of each well if available .....
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record .....

Signature of Owner Erwin E. MartinDate Dec 20 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21840

251997

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 30 DAY

OF December A. D. 1963

AT 1:25 O'CLOCK P M.

Caro L. Musgrove  
COUNTY CLERK

PER 200

DEPUTY

County Blaine

**RECEIVED**

## STATE ENGINEER

Owner Herman Gehret Address Harlem  
Driller Billmeyer & Sons Address Hogeland  
Date Started Oct 27 Date Completed Nov. 8/61  
Location: Sec. 17 T. 32 R. 23  $\frac{1}{4}$  sec. SW $\frac{1}{4}$  SW $\frac{1}{4}$

Type of well drilled Equipment used churn  
(Dug, driven, bored, or drilled) (Churn, drill, rotar/, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐, Drainage ☐ Other ☐

Casing: Top ft. to 227 ft. Type Steel Size 7" x 1/2" wall

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing:	ft. to	ft.	Type	Size
---------	--------	-----	------	------

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_. Ft. \_\_\_\_\_ to ft. \_\_\_\_\_.

Type of screen or perforations \_\_\_\_\_

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_

Pumping water level 30-200 feet at 5 - 20 gal. per min.

How tested: Bailer & Jet Pump

Length of test 4 Hr — 4 days

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

## Log of Well

[illegible]

GW

Approved Stock Form—State Publishing Co., Helena, Montana—40876

File No. \_\_\_\_\_

DUPLICATE

County BLAINE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

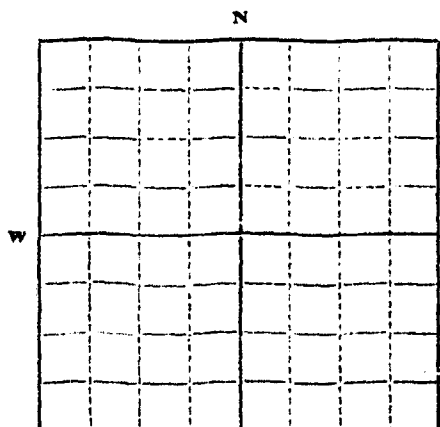
RECEIVED  
JUN 28 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Stephen O'Leary of NARLEN  
(Name of Appropriator) (Address) (Town)  
County of BLAINE State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



LOT 17, 18 - Block 1  
S. 400  
1/4 Sec. T. R.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based.

WATERING LAWN & GARDEN

3. Date or approximate date of earliest beneficial use; and how continuing the use has been.

OCT. 1961  
SUMMER MONTH

4. The amount of groundwater claimed (in miner's inches or gallons per minute).

10 gal

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.

LAWN & GARDEN

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.

PUMP  
Between Lot 17-18

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.

OCT. 1962

8. The depth of water table.

75'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.

STEEL CASING

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available.

2 INCH SAND & ROCK

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

4824



State Eng.  
Helena

249646

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 20 DAY  
OF June A. D. 1962  
AT 2:30 O'CLOCK P. M.

Cora L. Montgomery  
COUNTY CLERK  
Esther Sheets  
DEPUTY

FEE 2.00

RECEIVED  
AUG 20 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 33 N R. 23 E Sec. 18  
County Blaine

WATER WELL LOG


Owner Mrs. Lucy Marlow Address Harlem Montana B-8.

Driller \_\_\_\_\_ Address \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Location: Sec. 18 T. 33 N R. 23 E  $\frac{1}{4}$  sec. \_\_\_\_\_

Type of well Dug Equipment used \_\_\_\_\_  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

Static Water level, for non-flowing well: 39' 4" feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level: 35' 1" feet at 7 gal. per min.

How tested: \_\_\_\_\_

Length of test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

The well was probably dug in 1910 or 1911  
Has a cement casing, put in in 1913  
This description is as definite as I can give.

(over)

File No. ....

T. 32 N. R. 23 E.

DUPLICATE

County of Blaine

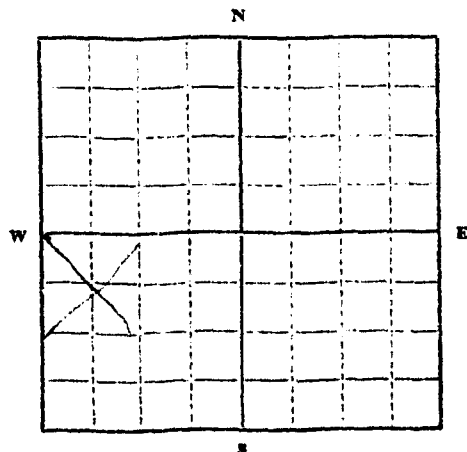
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
AUG 15 1963  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Riggin-Starch Farming Corporation, of Harlem  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 SW 1/4 Sec. 20, T. 32 N. R. 23 E.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based... livestock watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been... about 1942-1943, continuous since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 24 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawal, such water from the ground and the location of each well or other means of withdrawal 2 wells, each with pump, located in NW 1/4 SW 1/4 of Section 20, Township 32 North, Range 23 East, M.M.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1942-1943, Exact dates unknown
8. The depth of water table... approximately 100 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... two (2) wells, drilled to depth of about 100 feet, each serviced by pump drawing from 1 1/2" pipe.
10. The estimated amount of groundwater withdrawn each year... 100,000 gallons
11. The log of formations encountered in the drilling of each well if available... not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Riggin-Starch Farming Corporation

Signature of Owner [Signature] President

Date Aug 13, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

5/108

250152

STATE OF MONTANA  
County of Blaine  
FILED FOR RECORD THIS 12 DAY  
OF Aug A. D. 1963  
AT 10:50 O'CLOCK A M.  
Cora L. Mangum  
COUNTY CLERK  
Ester Sherb  
DEPUTY  
FEE 2.00

GW

RECEIVED  
JAN 6 1964

Approved Stock Form—State Publishing Co., Helena, Montana—40876

File No. ....

T 32 R 23 E.

DUPLICATE

STATE ENGINEER

County Blaine

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

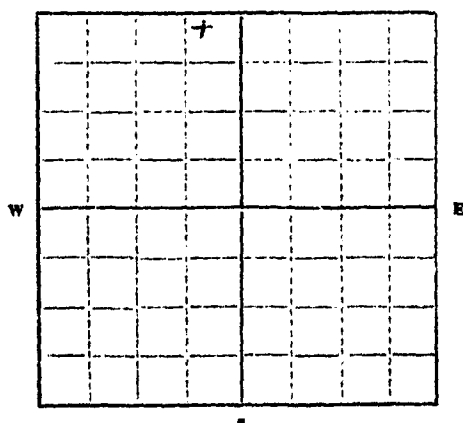
RECEIVED  
DEC 16 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. LeRoy G. and Laura A. Powell, of Harlem  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

NE 1/4 Sec. 21 T 32 R 23

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Livestock  
water and fire fighting.

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been June 1, 1939.  
Used continuously to present date.

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 20 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
Not used for irrigation.

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal Electric  
submersible pump with pressure tank. Well  
located on NE 1/4 Sec. 21 T 32 R 23 Blaine County, Montana

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater One well only, started May 3, 1939, and completed  
May 18, 1939.

8. The depth of water table Water rose to 11 feet from surface.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater Well is 350 ft. deep. Well casing 5 inch  
black pipe, 230 ft. Line 3 inch black pipe, 120 ft. drilled 3/8 inch  
holes in 3 inch pipe from 310 to 350 feet.

10. The estimated amount of groundwater withdrawn each year One million gallons per year.

11. The log of formations encountered in the drilling of each well if available Log is typed on  
reverse side of this form.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record Not applicable.

Signature of Owner

L. R. G. Powell  
Date Dec 13, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.

21766

LOG OF WELL DESCRIBED ON REVERSE SIDE OF THIS FORM

0-1 1/2 ft.	top soil
1 1/2-5	fine sand
5-50	brown clay
50-60	brown clay
60-88	sandy brown clay
88-105	sandy blue clay
105-112	sandy brown clay
112-123	muddy sand
123-136	blue clay
136-140	grey clay
140-228	muddy sand
228-240-	blue shale
240-247	sandy brown shale
247-256	blue shale
256-259	sandy brown shale
259-265	blue shale
265-269	sandy tan shale
269-285-	blue shale
285-295	shaley sandstone
295-303	blue shale
303-306	sandstone
306-309	blue shale
309-314	sandstone
314-317	blue shale
317-350	sandstone -- water

Water level 11 feet from surface.

STATE OF MONTANA  
County of Blaine  
FILED FOR RECORD THIS 16 DAY  
OF November A.D. 1963  
AT 2:30 O'CLOCK P.M.  
C. J. H. [Signature]  
COUNTY CLERK  
C. J. H. [Signature]  
DEPUTY

251880

GW.

Approved Stock Form—State Publishing Co., Helena, Montana—4133a

File No. \_\_\_\_\_

DUPLICATE

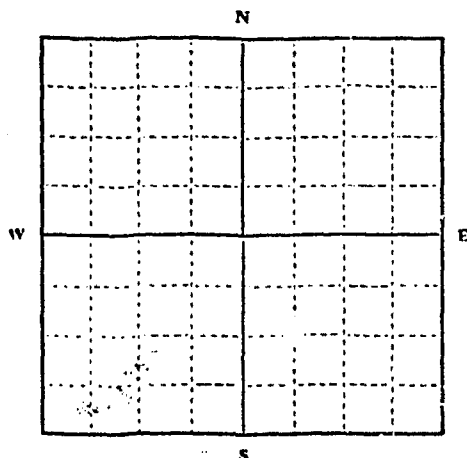
T. 34 R. 22  
County BlaineSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 227, Montana Session Laws, 1961)

RECEIVED  
DEC 28 1962

STATE ENGINEER

I, J. George Ritchie Alex Ritchie, of Harlem (Name of Appropriator) (Address) (Town)County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1/4 Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Livestock  
Water & Domestic Use
3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been 1930-1962 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 20 gals. per min. each well
5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal 1. 22/10ft. 5 in. dia. in well sec. 5/10ft. 4 in. dia.  
& 1nd well sec. 29/34/23 sec. 5/22/23  
Sec. 21/36/23. sec. 34/35/24. sec. 25/30/23
7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater 1930-1935-1936-1943-1944
8. The depth of water table 16 to 150ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater 22/10ft. 5 in. dia. in well sec. 5/10ft. 4 in. dia.  
elect. pump sec. 21/2 11ft. 5 in. elect. pump sec. 34/80ft. 4 in. dia. and 1ft  
Sec. 25. 120ft. 5 in. elect. pump
10. The estimated amount of groundwater withdrawn each year 1,500,000
11. The log of formations encountered in the drilling of each well if available Unavailable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record

Signature of Owner J. George RitchieDate Dec. 10-62Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41338

File No.

DUPLICATE

T. 34<sup>N</sup> R. 23<sup>E</sup>  
32 23  
County Elaine

STATE OF MONTANA

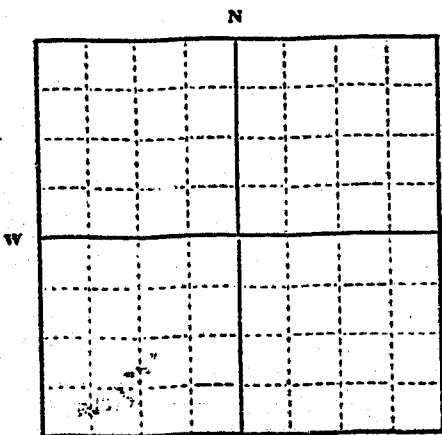
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights DEC 26 1963

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

J. George Pitch & Alex Pitch, of Harlem (Town)  
(Name of Appropriator) (Address)  
County of Elaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Livestock  
Water & Domestic Use
3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been 1930-1936-1930-Continuous
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 20 gals Per Min. Each well
5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal Electric  
& Windmill Pumps. Sec. 29/34/23 Sec. 5/33/23  
Sec. 21/36/23, Sec. 34/35/24, Sec. 25/32/23
7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater 1930-1935-1936-1943-1944
8. The depth of water table 16 to 150ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater 29/16ft. 5in. Dia. Windmill Sec. 5/16ft. 4in. dia.  
Elect. Pump Sec. 21/2 wells 50ft. 5in. Elect. Pumps. Sec. 34. 80ft. 4in. Dia. Windmill  
Sec. 25. 130ft. 5in. Elect. Pump
10. The estimated amount of groundwater withdrawn each year 1,500,000
11. The log of formations encountered in the drilling of each well if available Unavailable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record

Signature of Owner

Date Dec. 16-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.



251820

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 19 DAY  
OF December A. D. 1963  
AT 1:15 O'CLOCK P M.

Lara L. Musgrave  
COUNTY CLERK

200 DEPUTY  
FEE

RECEIVED  
OCT 9 1959

T. 32 R. 23  
County Blaine

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

WATER WELL LOG

X			

Owner J. George Pitch Address Harlan Mont. 49

Driller Simpson Drilling Co. Address Malta Mont. 89

Date Started Sept. 18 -59 Date Completed Sept. 24 -59

Location: Sec. 26 T. 32 R. 23 1/4 sec. Nw

Type of well Drilled Equipment used Churn  
(Dug, driven, bored, or d. "d") (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 70 ft. Type Steel Size 5 In.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 64 to ft. 65 Ft. to ft.

Type of screen or perforations 1/2 In. Holes Drilled In Casing

Static Water level, for non-flowing well: 8 feet.

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level: 35 feet at 8 gal. per min.

How tested: Bail

Length of test: 3 Hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

## Log of Well

[illegible]

File No. ....

D2 R 23

DUPLICATE

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

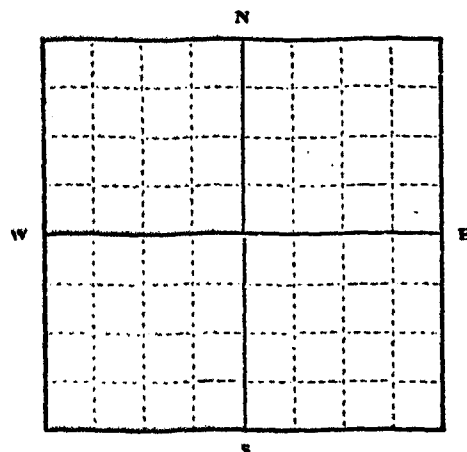
RECEIVED  
DEC 26 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. J. George Pitch & Ethel E. Pitch, of Harlem  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



..... 1/4 Sec. .... T. .... R. ....

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Livestock & Domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1943. Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 Gals. Per Min. Each Well

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
S.W. 1/4 Sec. 26-32-23--Two Wells. Electric Pump. One Well N.W. 1/4 26/32/23. Electric Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1943 1959

8. The depth of water table 35 Ft. Two Wells 64 ft. one well

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Two Wells S.W. 1/4, 26 135 ft. 5 in. Casing Electric Pumps Well N.W. 1/4 Sec 26 70 ft. 5 in. Casing Electric Pump

10. The estimated amount of groundwater withdrawn each year. 1,000,000 Gal.

11. The log of formations encountered in the drilling of each well if available. Unavailable Two Wells N.W. 1/4 SEC. 26 Well 10 to 30 Brown Sandy Clay 30 to 64 Grey Muddy Shale 64 to 66 Ground Water 66 to 68 Grey Muddy Shale

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Date Dec 16-62

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

11998

251821

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 19 DAY  
OF December A. D. 1963  
AT 1:46 O'CLOCK P. M.  
Core L. Mesgrave  
COUNTY CLERK

FEB 2 1963

DEPUTY

File No.

DUPLICATE

RECEIVED  
SEP 11 1964

Approved State Form—State Publishing Co., Helena, Montana—39314

T 32 R 23

County BLAINE

STATE OF MONTANA  
ADMINISTRATIVE DEPARTMENT  
OFFICE OF STATE ENGINEER

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

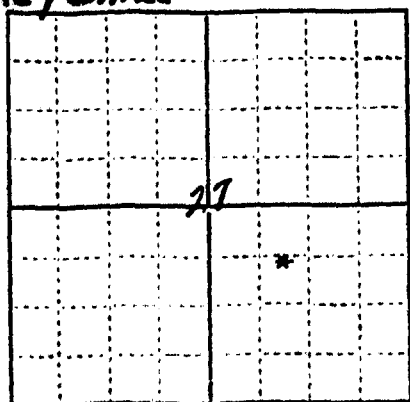
Owner RALPH D. NACE Address TURNER, MONTANADriller HI-LINE DRILLING SERVICE Address HAUAE, MONTANA

Date of Notice of Appropriation of Groundwater

Date well started NOV 25, 1963 Date Completed DEC 28, 1963Type of well DRILLED Equipment Used CABLE TOOL RIG  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☒

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Top of Ground  
(Elev. above sea level \_\_\_\_\_)  
12 TOP + SECTION  
17 BROWN CLAY  
20 BROWN SAND - TRACE OF WATER  
30 SANDY BROWN CLAY  
33 SOFT BLUE CLAY  
35 GREY SAND - TRACE OF WATER  
62 GREY CLAY  
63 SILTY GREY CLAY  
73 GRAVEL (PEA SIZE TO 3" IN DIAMETER) OVER 150 GPM - WATER  
92 HIGH IN SODIUM SALTS - SHUT OFF  
95 SANDY GREY SHALE - SOFT  
108 HARD SANDSTONE SHELL  
124 SANDY GREY SHALE  
141 SANDY BLUE SHALE  
142 HARD SANDSTONE SHELL  
149 GREY SANDSTONE - WATER - 1 GPM  
150 LT. BROWN SHELL  
166 GREY SANDSTONE - WATER - APPROX 1 3/4 GPM  
256 GREY SHALE  
291 GREY BENTONITE SHALES  
295 GREY SHALE N



NN 1/4 SE 1/4 Sec. 27, T. 32, R. 23  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 11 feet.Shut-in Pressure for Flowing Well NOT APPLICABLEPumping Water Level 285 feet at 2 3/4 gal. per minute.Discharge in gal. per min. of flowing well NOT APPLICABLEHow Tested BALER Length of Test 3 HOURS

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

Driller's License Number 46Driller's Signature Herbert Greiner

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

21858

252015

STATE OF MONTANA  
County of Elaine

FILED FOR RECORD THIS 30 DAY

OF December A. D. 1963

AT 2<sup>nd</sup> P. M.

Carl P. Magnusson  
COUNTY CLERK

Bethel Shurt  
DEPUTY

PER 2<sup>nd</sup>





T. 32 R. 23

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

STATE ENGINEER

		*

Owner Donald Gill Address Harlem, Montana

Driller Simpson Drilling Co. (Emmett Gendron) Address Malta, Montana

Date Started August 30, 1961 Date Completed August 30, 1961

Location: Sec. 33 T. 32 R. 23  $\frac{1}{4}$  sec. NE  $\frac{1}{4}$  NW  $\frac{1}{4}$

Type of well Drilled Equipment used churn drill  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 0 ft. to 48 ft. Type steel Size 6 inch

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: \_\_\_\_\_

Static Water level, for non-flowing well: \_\_\_\_\_ 20 feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level: 22 feet at \_\_\_\_\_ 20 gal. per min.

How tested: 2 hours

Length of test: \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

casing driven in gravel

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

①

(over)

## Log of Well

[illegible]

File No.

DUPLICATE

T. 2 R. 3

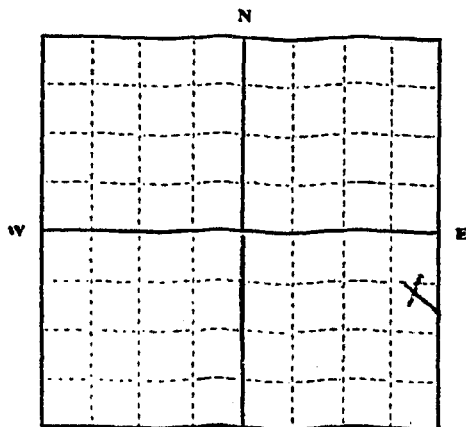
County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 11 1963

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

1. Ruth Ekgren, of Harlem, Montana  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 36 T. 2 R. 3

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock
3. Date or approximate date of earliest beneficial use, and how continuous the use has been 1944  
Used seasonally
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Five gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
No
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Pump Jack 1/2 Hp.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1944
8. The depth of water table 120' approx.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5" Iron Casing
10. The estimated amount of groundwater withdrawn each year Approx 450 Thousand Gallons
11. The log of formations encountered in the drilling of each well if available  
Gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Ruth Ekgren

Date

Dec 6, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

8525

251575

251575

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 10 DAY  
OF Dec A. D. 1963  
AT 9:00 O'CLOCK A. M.  
Chas. L. Dwyer  
COUNTY CLERK  
Esther Sheets  
DEPUTY  
FEB 20

# GROUNDWATER INDEX

Page 1 of 1

County BLAINE Twp 32 NORTH Rge. 24 EAST

[illegible]

File No.

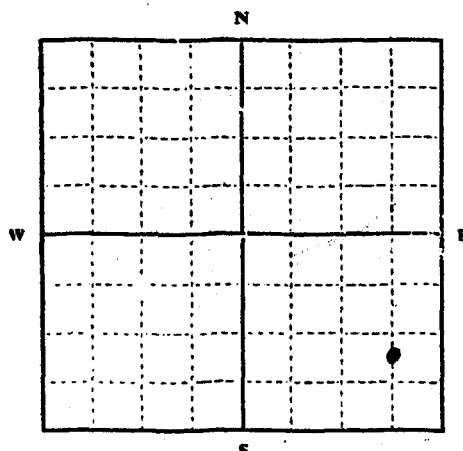
DUPLICATE

T. 32 R. 24E  
County BlaineSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *Smith and Nellie Riddle*, of *Pipe 1 Box 391*, *Libby*  
(Name of Appropriator) (Address) (Town)  
County of *Lincoln* State of *Montana*  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 32, T32, R24E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based *Stock Water*3. Date or approximate date of earliest beneficial use; and how continuous the use has been *March 24, 1958*  
*Continuous use*4. The amount of groundwater claimed (in miner's inches or gallons per minute) *80 gallon per minute*

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *Electric Pump*7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *Completed on March 24, 1958*8. The depth of water table *101 feet*9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater *10.6 feet depth*  
*7 inch casing*10. The estimated amount of groundwater withdrawn each year *don't know*11. The log of formations encountered in the drilling of each well if available *this well had*  
*surface soil 12 feet, 85 feet quick sand & soft clay*  
*5 feet sticky shale. 2 feet hard gravel.*

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner *Nellie M Riddle*  
*Smith Riddle*Date *Dec 20, 1962*

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21769

251888

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 26 DAY  
OF December A. D. 1963  
AT 9:12 O'CLOCK P. M.  
Cora L. McGuire  
COUNTY CLERK  
Esther Sheets  
DEPUTY  
PER 200

GW

Approved Stock Form—State Publishing Co., Helena, Montana—1961

File No. \_\_\_\_\_

T. 31-33-24

DUPLICATE

County. Blaine

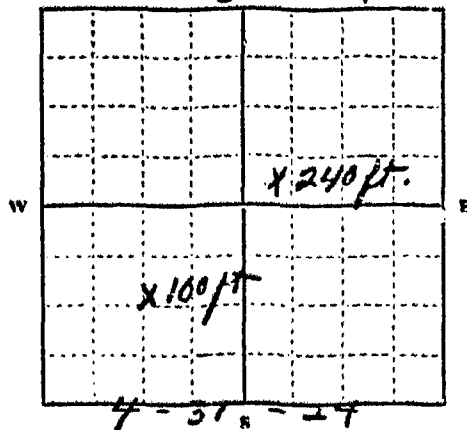
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Edward L. Kubitz of HARLEM Montana  
(Name of Appropriator) (Address) (Town)  
County of Blaine State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

Sec 33-32-24



1/4 Sec. T. R.

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based House and livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1954 - all year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gal per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pumps
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1954
8. The depth of water table 8 ft. to water or at 100 ft. dep. one at 20 ft. to water
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
6 in. casing. 100 ft. dep.  
5 in. casing. 240 ft. dep. in sand stone
10. The estimated amount of groundwater withdrawn each year don't know yrs. 100,000 gal
11. The log of formations encountered in the drilling of each well if available  
none available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner. \_\_\_\_\_

Date \_\_\_\_\_

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.



252056

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 30 DAY  
OF December A. D. 1963  
AT 4:25 O'CLOCK P. M.  
Carl L. Musgrave  
COUNTY CLERK

FEES 2.00 DEPUTY

File No. ....

DUPLICATE

T 32 R 29

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER FEB 10 1964

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner H. T. Klingler Address HelenaDriller Billmeyer & Sons Address Highland

Date of Notice of Appropriation of Groundwater .....

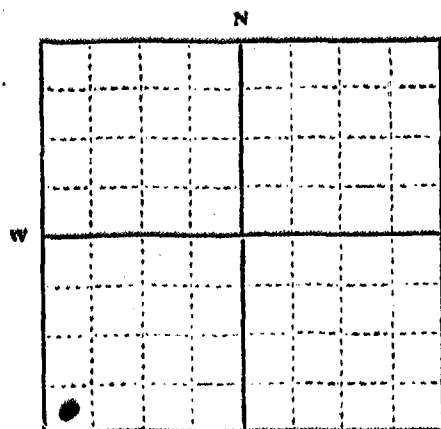
Date well started Dec 30/63 Date Completed Jan 7/64

Type of well drilled Equipment Used Churn  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)

Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☒

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" x 10 19#	Top	135	Cutting Torch	30	35



SW 1/4 Sec 38 T32 R29  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 29 feet.

Shut-in Pressure for Flowing Well .....

Pumping Water Level 80 feet at 1 gal. per minute.

Discharge in gal. per min. of flowing well .....

How Tested Bailer Length of Test 2 hr

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation) .....

Bottom 2 ft filled with  
Gravel

No 5  
Driller's License Number

Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

34848

252616

STATE OF MONTANA  
County of Blaine

FILED FOR RECORD THIS 7 DAY  
OF Feb A. D. 1964  
AT 4:00 O'CLOCK P. M.

Cora R. Mangus  
COUNTY CLERK

Ester Sheet  
DEPUTY

FILED

Abolition of Women of Montana  
STATE ENGINEER